

**Shift Maintenance Checklist****EVERY 10 HOURS OR DAILY**

Note general vehicle condition. Clear away all collected debris - steam clean if necessary. Check for mechanical damage and loose or leaking components. Report all faults to maintenance department.

**Before Starting the Engine - Check The Following:**

REF	ITEM	OK	NO	ADD
1	ENGINE (Check oil level - check for leaks)	<input type="checkbox"/>	<input type="checkbox"/>	_____
2	HYDRAULIC TANK (Check oil level - check for leaks)	<input type="checkbox"/>	<input type="checkbox"/>	_____
3	RADIATOR (Check coolant level - check for leaks)	<input type="checkbox"/>	<input type="checkbox"/>	_____
4	RADIATOR & OIL COOLER FANS (Are fins clean and unobstructed?)	<input type="checkbox"/>	<input type="checkbox"/>	_____
5	AIR CLEANER (Check indicator - clean or change element as required, empty dust cup)	<input type="checkbox"/>	<input type="checkbox"/>	_____
6	ENGINE BELTS (Check for adjustment and wear)	<input type="checkbox"/>	<input type="checkbox"/>	_____
7	WHEELS & TIRES (Check condition and pressure)	<input type="checkbox"/>	<input type="checkbox"/>	_____
8	LUBRICATE CHASSIS (Refer to lube chart)	<input type="checkbox"/>	<input type="checkbox"/>	_____
9	WALK AROUND INSPECTION of structure: welds, leaks, damaged components, etc...	<input type="checkbox"/>	<input type="checkbox"/>	_____
10	FIRE SAFETY CHECK (Check for accumulated debris in engine compartment, etc)	<input type="checkbox"/>	<input type="checkbox"/>	_____

**After Starting Engine - Check The Following:**

11	ENGINE (Does it sound normal?)	<input type="checkbox"/>	<input type="checkbox"/>	_____
12	INSTRUMENTS (Check for normal readings)	<input type="checkbox"/>	<input type="checkbox"/>	_____
13	FILTER INDICATOR LIGHTS (Change filters if filter indicator light is illuminated)	<input type="checkbox"/>	<input type="checkbox"/>	_____
14	CONTROLS (Check for normal operation)	<input type="checkbox"/>	<input type="checkbox"/>	_____
15	EXHAUST SYSTEM (Check for leaks and excessive smoke)	<input type="checkbox"/>	<input type="checkbox"/>	_____
16	AIR INTAKE SYSTEM (Check for leaks and damage)	<input type="checkbox"/>	<input type="checkbox"/>	_____
17	TRANSMISSION - After warming to operation temp.- (Check oil level - check for leaks)	<input type="checkbox"/>	<input type="checkbox"/>	_____
18	PURGE RADIATOR/OIL COOLER FANS (2 minutes after starting engine)	<input type="checkbox"/>	<input type="checkbox"/>	_____
19	DECLUTCH FUNCTION	<input type="checkbox"/>	<input type="checkbox"/>	_____

**Note Anything Abnormal or in Need of Repair**

LIGHTS_____	DEFROSTER_____	REVERSE WARNING HORN_____
HORN_____	WINDSHIELD WIPERS_____	
HEATER_____	AIR CONDITIONER_____	
DECLUTCH_____	GAUGES_____	

OPERATOR_____	SUPERVISOR_____	DATE_____
MODEL_____	SERIAL NUMBER_____	HOUR METER_____

## Maintenance Checklist

### *EVERY 50 HOURS OR WEEKLY*

- |    |   |           |             |
|----|---|-----------|-------------|
| 1. | Repeat the 10 hour check  | OK_____   | NO_____     |
| 2. | Check for fluid leaks - oil, fuel, water, transmission  | OK_____   | REPAIR_____ |
| 3. | Check wear indicator on wet disk brakes   | OK_____   | REPAIR_____ |
| 4. | Check wheel lug nuts and studs mechanically; re-torque  | OK_____   | REPAIR_____ |
| 5. | Check battery electrolyte level   | OK_____   | ADD_____    |
| 6. | Lubricate chassis - refer to Lubrication chart  | OK_____   | NO_____     |
| 7. | Record engine rpm   | High_____ | Stall_____  |
| 8. | Check for structural damage - inspect chassis & attachments<br>for bending, cracking & broken welds | OK_____   | Repair_____ |

### *EVERY 250 HOURS OR MONTHLY*

- |     |  |         |              |
|-----|--|---------|--------------|
| 1.  | Repeat the 50 hour check   | OK_____ | NO_____      |
| 2.  | Change engine oil & filters* (Check Engine Manufacturers Operators and Maintenance Manual) | OK_____ | ADD_____     |
| 3.  | Take engine oil sample for analysis*   | OK_____ | NO_____      |
| 4.  | Change fuel filters* (Check Engine Manufacturers Operators and Maintenance Manual)         | OK_____ | REPLACE_____ |
| 5.  | Check axle differential oil level  | OK_____ | ADD_____     |
| 6.  | Check axle planetary oil level   | OK_____ | ADD_____     |
| 7.  | Change cooling system filter   | OK_____ | REPLACE_____ |
| 8.  | Check all hydraulic pressures and record   | OK_____ | NO_____      |
| 9.  | Check fire suppression actuator  | OK_____ | NO_____      |
| 10. | Inspect brake system & components  | OK_____ | Repair_____  |
| 11. | Check and adjust parking brake   | OK_____ | Repair_____  |

### *EVERY 500 HOURS OR QUARTERLY*

- |    |   |         |              |
|----|---|---------|--------------|
| 1. | Repeat the 250 hour check   | OK_____ | NO_____      |
| 2. | Change Hydraulic filters*   | OK_____ | REPLACE_____ |
| 3. | Change Transmission filters*  | OK_____ | REPLACE_____ |
| 4. | Take oil samples from transmission, axle,<br>and hydraulic system for analysis* | OK_____ | NO_____      |
| 5. | Check Accumulator pressure  | OK_____ | NO_____      |

## EVERY 1000 HOURS OR SEMI-ANNUALLY

- |  |                        |
|--|------------------------|
| 1. Repeat the 500 hour check   | OK _____ NO _____      |
| 2. Change transmission oil and filters                                     | OK _____ ADD _____     |
| 3. Clean and flush cooling system  | OK _____ ADD _____     |
| 4. Check pins and bushings for wear  | OK _____ REPLACE _____ |
| 5. Steam clean machine, inspect for structural cracks                      | OK _____ NO _____      |
| 6. Have ANSUL representative inspect and recertify fire suppression system | OK _____ NO _____      |

## EVERY 2000 HOURS OR ANNUALLY

- |  |                    |
|--|--------------------|
| 1. Repeat the 1000 hour check                          | OK _____ NO _____  |
| 2. Drain, flush and fill differential*                 | OK _____ ADD _____ |
| 3. Drain, flush and fill planetaries*                  | OK _____ ADD _____ |
| 4. Change hydraulic oil and filters*                   | OK _____ ADD _____ |
| 5. Check wheel bearing preload and adjust if necessary | OK _____ ADD _____ |
| 6. Have an Allied representative inspect the machine   | OK _____ ADD _____ |

## EVERY 5000 HOURS (Caterpillar Tier 4 engines only)

- |  |                   |
|--|-------------------|
| 1. Change ARD spark plugs  | OK _____ NO _____ |
| 2. Clean/Replace diesel particulate Filter (DPF) - Contact your local Caterpillar dealer | OK _____ NO _____ |
| 3. Change fuel priming pump  | OK _____ NO _____ |

\* Normal drain period and filter change intervals for average environmental and duty-cycle conditions. Severe or sustained high operating temperatures or very dusty atmospheric conditions will cause accelerated deterioration and contamination. Change intervals should be adjusted according to the results of oil sampling analysis. Consult your Wagner dealer for assistance in establishing an oil sampling program for your equipment.

**IMPORTANT:** Consult the engine manufacturer's Operation and Maintenance Manual for additional engine related checks and / or details.

### Repairs:

Problem: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Parts: \_\_\_\_\_  
 \_\_\_\_\_

Mechanic: \_\_\_\_\_  
 Operator: \_\_\_\_\_  
 Machine Model: \_\_\_\_\_  
 Date: \_\_\_\_\_ Shift: \_\_\_\_\_

Hours Labor: \_\_\_\_\_  
 Supervisor: \_\_\_\_\_  
 Equipment No: \_\_\_\_\_  
 Hour Meter: \_\_\_\_\_